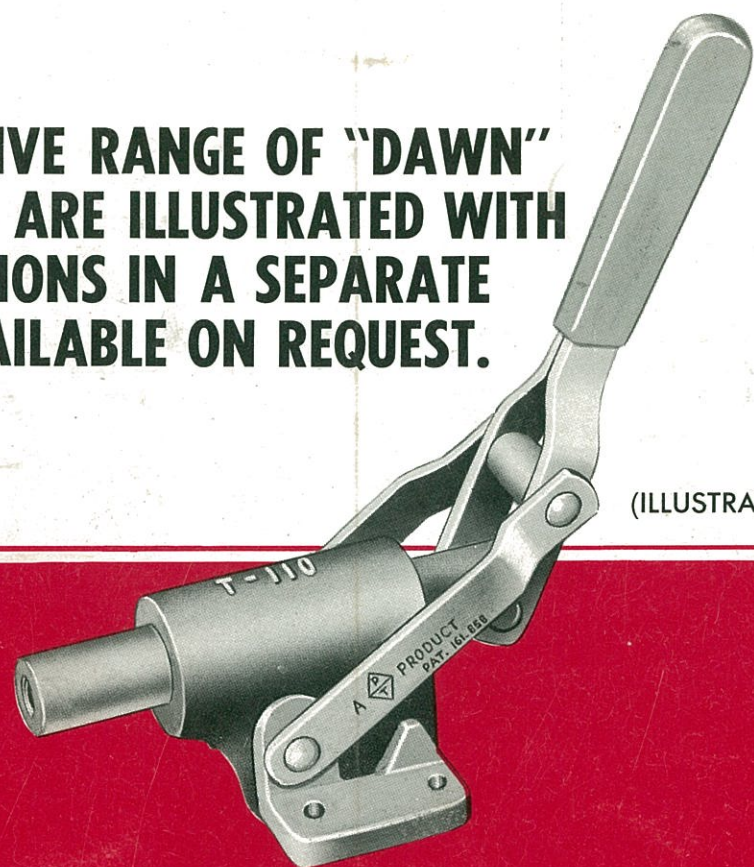


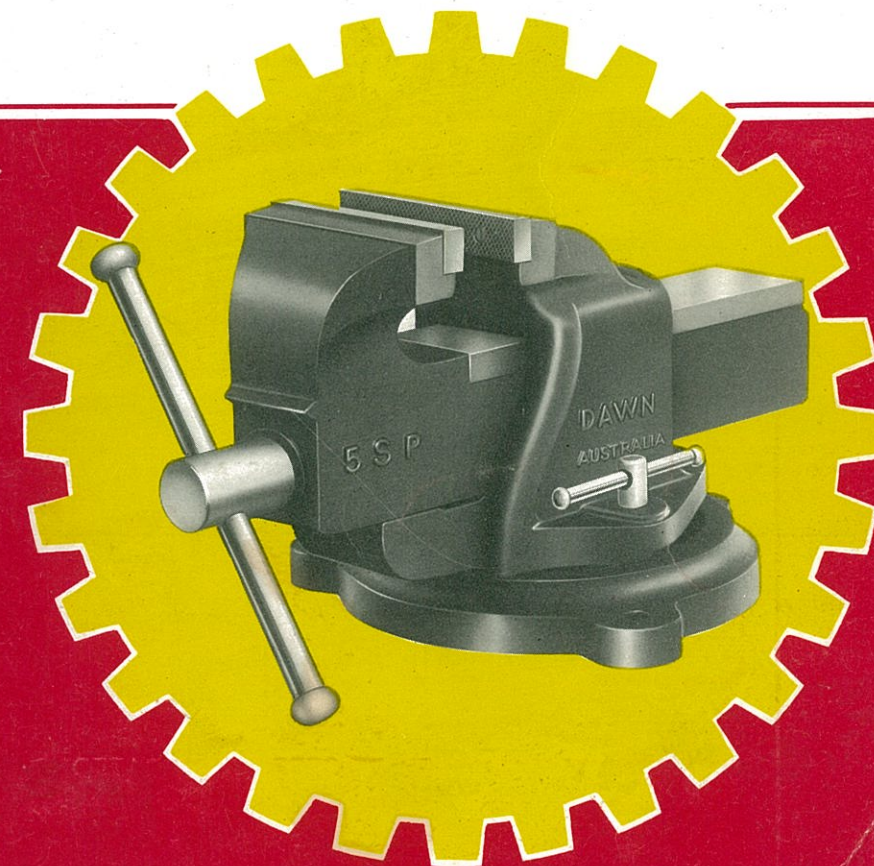


DAWN TOOLS AND VICES

A COMPREHENSIVE RANGE OF "DAWN"
TOGGLE CLAMPS ARE ILLUSTRATED WITH
FULL SPECIFICATIONS IN A SEPARATE
CATALOGUE AVAILABLE ON REQUEST.



(ILLUSTRATED MODEL T110)



FACTORY and SALES OFFICE:

NORRIS STREET, NORTH COBURG, VICTORIA, 3058, AUSTRALIA

"Dawn"

The products of G. N. Raymond Limited — Engineering Division have maintained a prominent and enviable position in the Hardware and Tool Trade of Australia, New Zealand and many Overseas Countries.

The policy adopted by the Company of constant endeavour by test and research to incorporate and maintain the highest standards of strength and durability, gives assurance to Distributors to confidently and conscientiously recommend 'DAWN' Tools and equipment.

The development of modern engineering demands maximum strength by scientific design and correct metallurgical practice and these principles are embodied in the fabrication of 'DAWN' products.

This particularly applies to the very large range, comprising over eighty sizes and types of 'DAWN' Vices, wherein with fifty years of investigation and experience these essential qualities are achieved without recourse to old-fashioned methods of bulky dimensions and unnecessary weight.

'DAWN' Vices are amply and correctly proportioned, and are designed to distribute the factors of stress and leverage, without imposing excessive strain at any particular point.

The high tensile castings, generally termed Semi-Steel, are made in our own foundry and are subject to periodical tests, both physical and analytical.

All 'DAWN' products are unconditionally guaranteed against faulty material and workmanship.

The G. N. Raymond Limited — Engineering Division is appreciative of the responsive support, accorded by both Merchants and Users, to its policy of producing an All-Australian article to compare with the world's best.

ABBREVIATIONS AND EXPLANATIONS

'LP' LIGHT PATTERN (cast)	'CMPS' CABINETMAKERS PLAIN SCREW
'SP' STANDARD PATTERN (cast)	'CMQA' CABINETMAKERS QUICK ACTION
'HP' HEAVY PATTERN (cast)	'FSP' STANDARD PATTERN (Fabricated)
'QA' QUICK ACTION (cast)	'FSOS' SEMI-OFFSET (Fabricated)
'OS' OFFSET (cast)	'FOS' OFFSET (Fabricated)

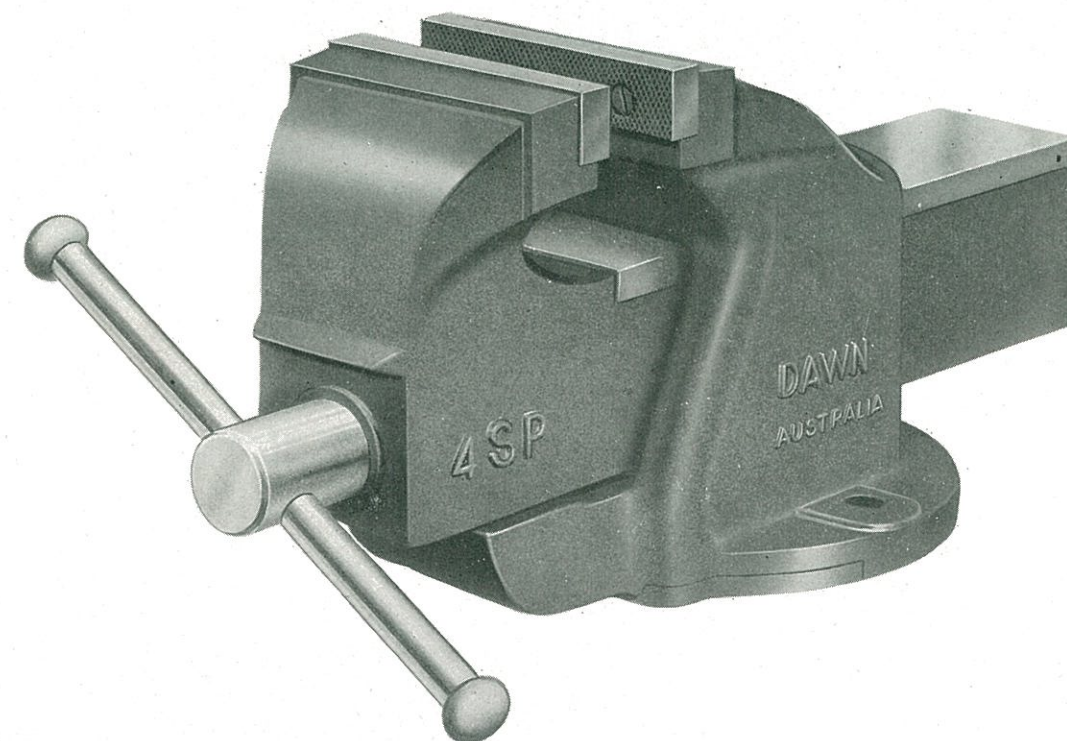
CAST SEMI-STEEL AND PLATE STEEL FABRICATED

VICES PAINTED RED.

CAST STEEL VICES PAINTED BLUE.

RELIABLE "Dawn" PRODUCTS

★ PLAIN SCREW VICES

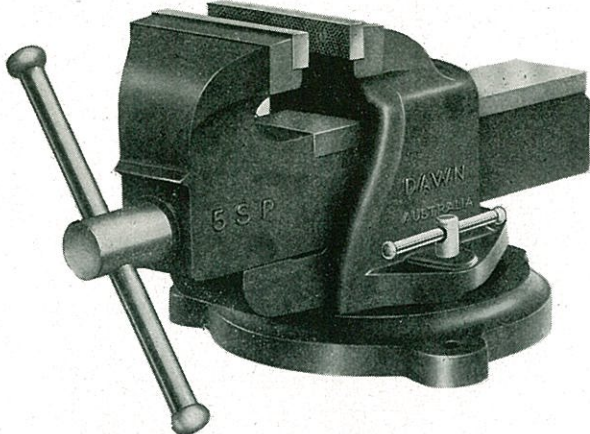


Castings are of high-grade Semi-Steel. The nut (which receives the greatest wear) is replaceable. The plain screw range embraces eleven sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
2½	SP 65	9001	2¾	69.9	6¾	3.0	4½	SP 115	9007	5	127.0	42½	19.1
3	SP 75	9002	3¼	82.6	12¾	5.7	5	LP 125	9008	5¾	146.1	43	19.4
3½	SP 90	9003	3¾	95.3	21½	9.7	5	SP 125	9009	5¾	146.1	53	23.9
4	LP 100	9004	4½	114.3	22½	10.1	6	SP 150	9010	7	177.8	68	30.6
4	SP 100	9005	4½	114.3	36	16.2	8	HP 200	9013	9	228.6	132	59.4
4¼	110 Gar. Spec.	9014	5	127.0	52½	23.6							

RELIABLE "Dawn" PRODUCTS

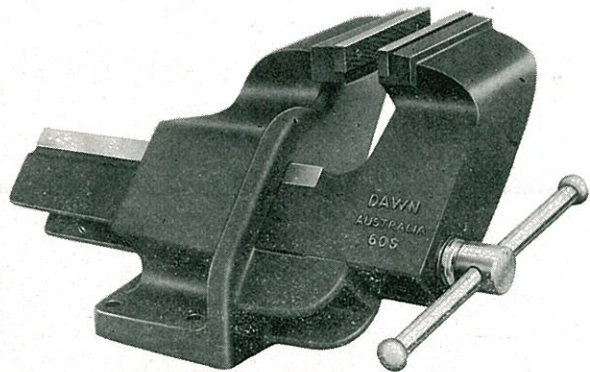


★ SWIVEL BASE VICES
(PLAIN SCREW)

The sturdily constructed swivel base enables the operator to swing the vice to any desired lateral position where it can be readily locked with the two holding down screws. Made in nine sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size		Code	Max. Open. Inches	Max. Open. Millim.	Weight Lbs.	Weight Kilogr.	Size		Code	Max. Open. Inches	Max. Open. Millim.	Weight Lbs.	Weight Kilogr.
Inch	MM						Inch	MM					
2½	SP 65	9181	2¾	69.9	8½	3.8	4½	SP 115	9185	5	127.0	52½	23.6
3	SP 75	9182	3¼	82.6	15½	7.0	5	SP 125	9186	5¾	146.1	67½	30.4
3½	SP 90	9183	3¾	95.3	26½	11.9	6	SP 150	9187	7	177.8	82¾	37.2
4	LP 100	9188	4½	114.3	27¼	12.3	8	HP 200	9190	9	228.6	169	76.1
4	SP 100	9184	4½	114.3	42	18.9							



★ OFF-SET VICES
(PLAIN SCREW)

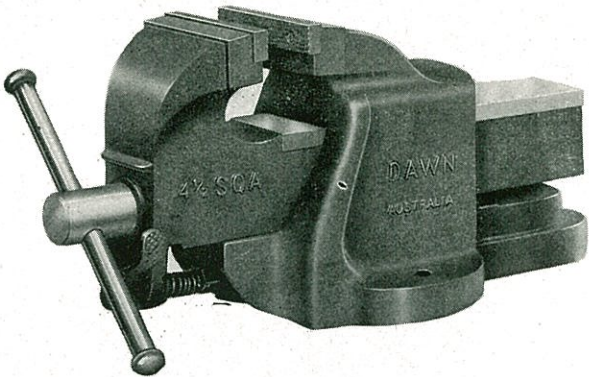
This design has become very popular, because of the facility it provides for holding long vertical work with the full width of the jaws. The body and slide

castings are of 'DAWN' Semi-Steel and the nut is replaceable. Made in six sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size		Code	Max. Open. Inches	Max. Open. Millim.	Weight Lbs.	Weight Kilogr.	Size		Code	Max. Open. Inches	Max. Open. Millim.	Weight Lbs.	Weight Kilogr.
Inch	MM						Inch	MM					
3	OS 75	9041	3¼	82.6	24½	11.0	4½	OS 115	9044	5	127.0	73	32.9
3½	OS 90	9042	3¾	95.3	32	14.4	5	OS 125	9045	5¾	146.1	87	39.2
4	OS 100	9043	4½	114.3	58	26.1	6	OS 150	9046	7	177.8	120	54.0

RELIABLE "Dawn" PRODUCTS

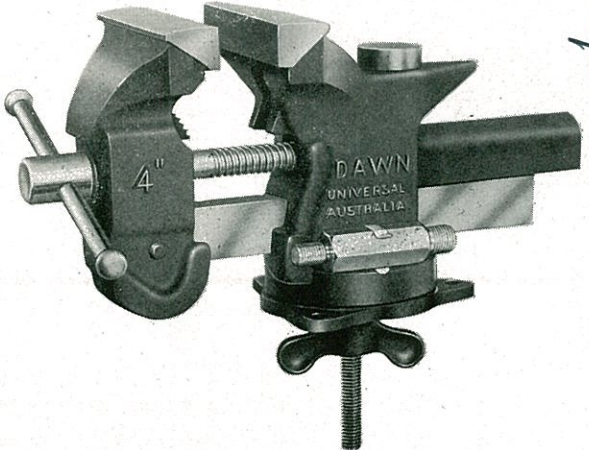


★ QUICK ACTION VICES

The simple, quick-action mechanism enables the jaws to be instantaneously set to take any required width of job. The undercut buttress threaded screw and phosphor bronze nut are a snugly machined fit to ensure positive gripping action. High-grade Semi-steel Castings. Made in four sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size		Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size		Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
Inch	MM						Inch	MM					
4	SQA 100	9017	4½	114.3	36	16.2	5	SQA 125	9019	5¾	146.1	77	34.7
4½	SQA 115	9018	5	127.0	64	28.8	6	SQA 150	9028	7	177.8	104	46.8



★ UNIVERSAL VICE
(Code No. 9189)

This vice is ideally suited for Garage use as well as for the Home craftsman.

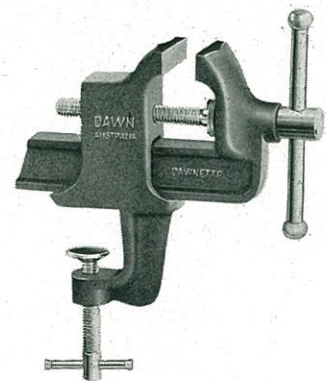
- Width of Jaws 4" (100 mm)
Maximum Opening 4½" (114 mm)
Weight 21 lbs. (9.5 Kg.)
Pipe Jaws will hold pipe up to 1½" (38 mm) outside diameter.

Features:—

- Vice will swivel full 360°
- Offset Jaws to take work vertically
- Hardened steel Anvil
- High tensile Steel Slide
- Pipe Grips with hardened Steel Jaw
- Tubing and Rod Bender
- Cylinder Head Holding Plug for use when Valve Grinding, etc. (Screwed English and American Plug Threads)
- Clip-on plastic Jaws to obviate marking precision work
- Finished 'Dawn' Gloss Red
- Vice carries usual 'Dawn' guarantee as to material and workmanship.

RELIABLE "Dawn" PRODUCTS

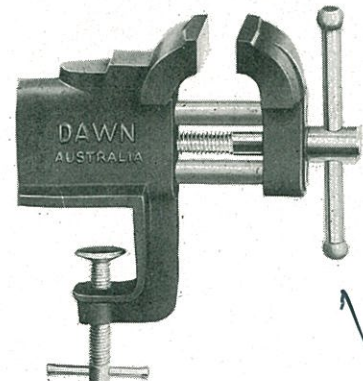
★ DAWNETTE TABLE VICE



Code No. 9345

Width of Jaw, 2" (50 mm)
Maximum Opening, 2" (50 mm)
Weight, 2½ lbs. (1.1 Kg.)

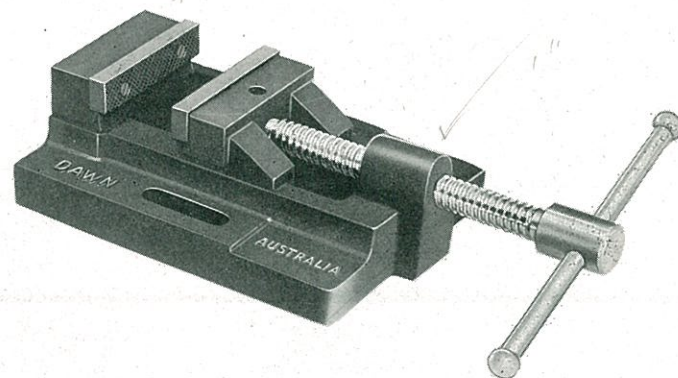
★ STEEL GUIDE TABLE VICE



Code No. 9340

Width of Jaw, 2" (50 mm)
Maximum Opening, 2" (50 mm)
Weight, 3½ lbs. (1.4 Kg.)

★ MACHINE VICES (SEMI-STEEL)



Fitted with plain screw. This type of vice for machine shop use has accurately machined slide faces, and is equipped with hardened steel parallel jaws. The bottom of base is machined and slots are provided for holding down bolts.

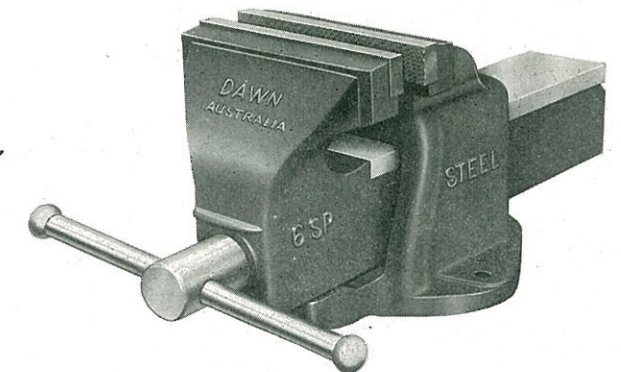
THE SIZE DENOTES WIDTH OF JAWS

Size Inch	Size MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Height of Jaws In.	Height of Jaws mm.
3 Machine	75	9081	2¼	57.2	9¼	4.2	1¼	27.0
4 Machine	100	9082	4⅝	117.5	26	11.7	1¼	36.5
5 Machine	125	9083	10	254.0	47¾	21.5	1¾	44.5

RELIABLE "Dawn" PRODUCTS

★ SOLID CAST STEEL PLAIN SCREW VICES

These vices are recommended for particularly hard usage. They are made of electric steel castings and are unbreakable. The plain screw range is made in four sizes.

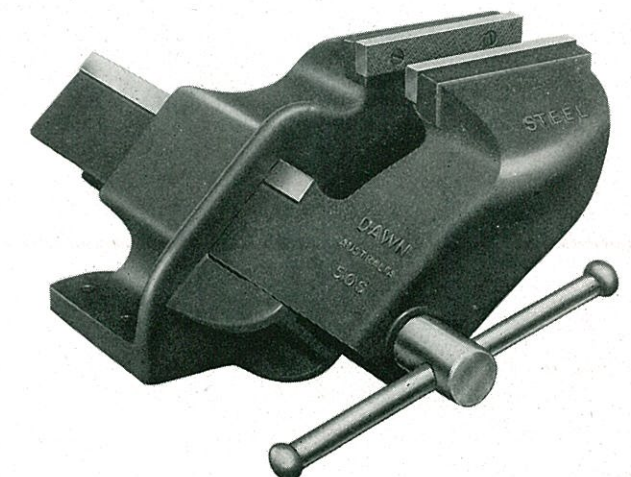


THE SIZE DENOTES WIDTH OF JAWS

Size Inch	Size MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	Size MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
4 SP	100	9051	4½	114.3	32½	14.6	5 SP	125	9053	5¾	146.1	44	19.8
4½ SP	115	9052	5	127.0	34¾	15.6	6 SP	150	9054	7	177.8	51	23.0

★ SOLID CAST STEEL OFFSET VICES

A popular Vice for use in industry because of the facility provided for holding long vertical work with the full width of jaws. The solid electric castings give positive grip without springing. Made in four sizes.

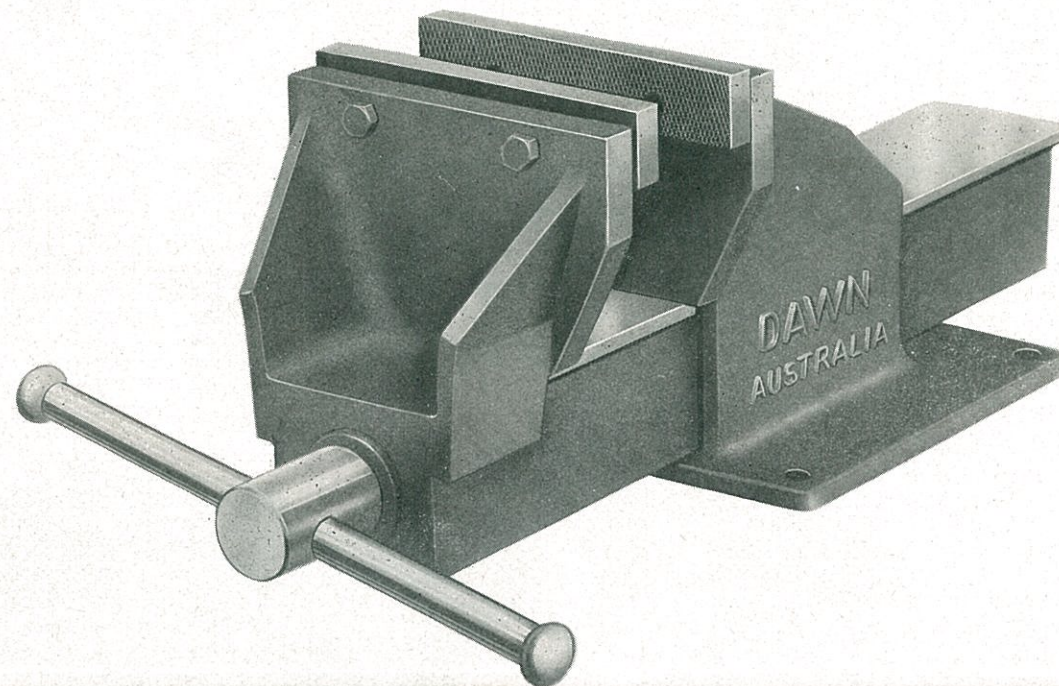


THE SIZE DENOTES WIDTH OF JAWS

Size Inch	Size MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	Size MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
4 OS	100	9071	4½	114.3	49¼	22.2	5 OS	125	9073	5¾	146.1	72¼	32.5
4½ OS	115	9072	5	127.0	65½	29.5	6 OS	150	9074	7	177.8	97½	43.9

RELIABLE "Dawn" PRODUCTS

★ FABRICATED PLAIN SCREW VICES (ALL STEEL CONSTRUCTION)



These all steel vices are especially designed for all heavy duty work and are manufactured from heavy steel plate to maximise strength.

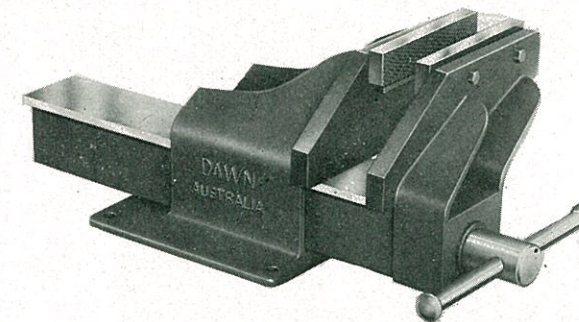
THE SIZE DENOTES WIDTH OF JAWS

Size Inch MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
3 FSP 76.2	7001	3 1/4	82.6	6 1/4	2.8
4 FSP 101.6	7002	4 1/2	114.3	25 1/4	11.4
5 FSP 127.0	7003	5 3/4	146.1	39	17.6
6 FSP 152.4	7004	7	177.8	51 1/2	23.2
8 FSP 203.2	7006	9	228.6	82	36.9

RELIABLE "Dawn" PRODUCTS

★ FABRICATED OFFSET VICES

(ALL STEEL CONSTRUCTION)



These vices are of the same rugged construction as the plain screw fabricated vices but are extremely useful where long vertical work needs to be held.

Such is found with large earthmoving equipment, etc.

THE SIZE DENOTES WIDTH OF JAWS

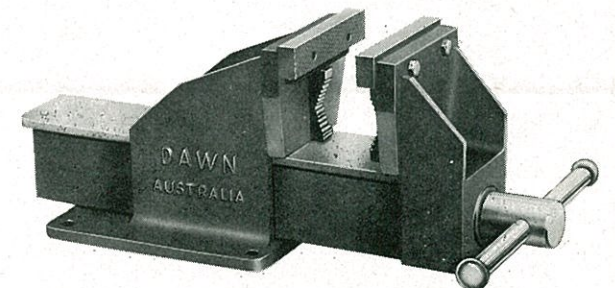
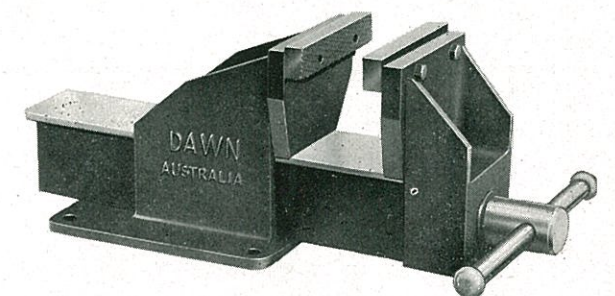
Size Inch MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
4 FOS 101.6	7021	4 1/2	114.3	28 1/4	12.7
5 FOS 127.0	7022	5 3/4	146.1	42 1/2	19.1
6 FOS 152.4	7023	7	177.8	58	26.1
8 FOS 203.2	7025	9	228.6	133	59.9

★ FABRICATED SEMI-OFFSET VICES

(ALL STEEL CONSTRUCTION)

These popular vices are a combination between the fabricated plain screw and offset vices.

Available with or without pipe jaws.



THE SIZE DENOTES WIDTH OF JAWS

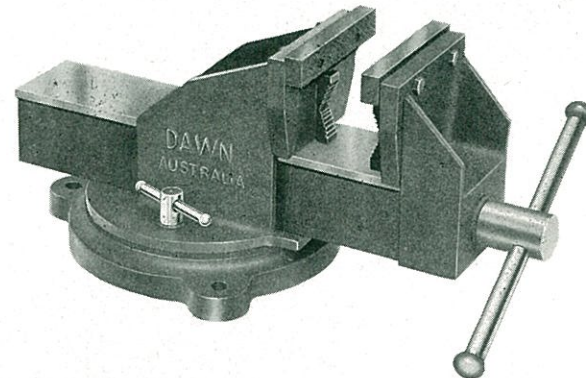
Size Inch MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
5 FSOS 127.0	7012	5 3/4	146.1	38 1/2	17.3
6 FSOS 152.4	7013	7	177.8	52 3/4	23.7
5 FSOS 127.0 Comb.	7019	5 3/4	146.1	39 3/4	17.9
6 FSOS 152.4 Comb.	7020	7	177.8	53 1/4	24.0

RELIABLE "Dawn" PRODUCTS

★ FABRICATED SWIVEL BASE VICES

Code No. 7018

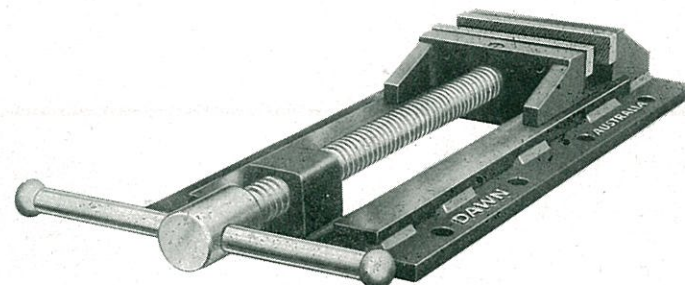
Width of Jaw 5" (127 mm)
Maximum Opening 5 3/4" (146 mm)
Weight 38 1/2 Lbs. (17.3 Kg.)



This vice is a standard 5 inch (127 mm) semi-offset fabricated type mounted on a swivel base which enables the operator to swing the vice to any desired lateral position.

★ FABRICATED MACHINE VICES

A fabricated heavy plate steel machine vice for use where both precision and the utmost strength is required.

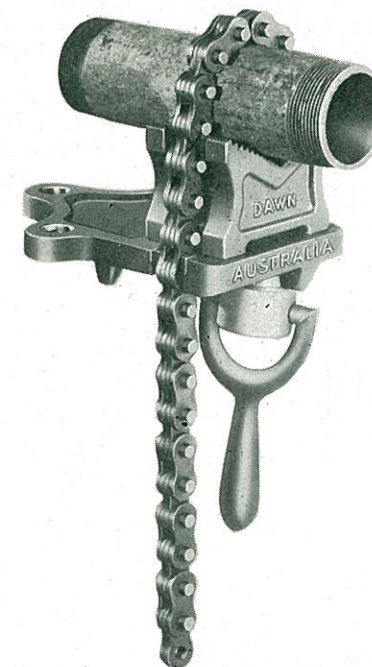


THE SIZE DENOTES WIDTH OF JAWS

Size Inch MM	Code	Max. Inches Open.	Max. Open. mm.	Weight Lbs.	Weight Kg.
4 Machine 101.6	7032	4 5/8	117.5	19	8.6
5 Machine 127.0	7033	10	254.0	29	13.1

RELIABLE "Dawn" PRODUCTS

★ PIPE VICES



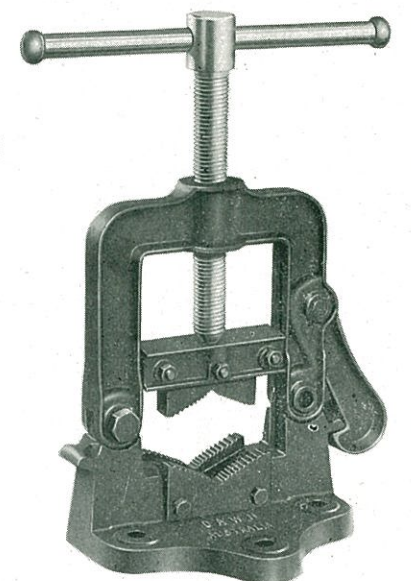
CHAIN TYPE

This sturdy compact design is a very popular plumber's tool. Cast steel, machine cut hardened jaws. Grips firmly and is speedily operated. Made in three sizes.

Size	Code	Takes pipe to In. dia.	Takes pipe to MM dia.	Weight Lbs.	Weight Kg.
C.2	9191	2	50.8	4	1.8
C.4	9102	4	101.6	10	4.5
C.6	9103	6	152.4	17 1/2	7.9

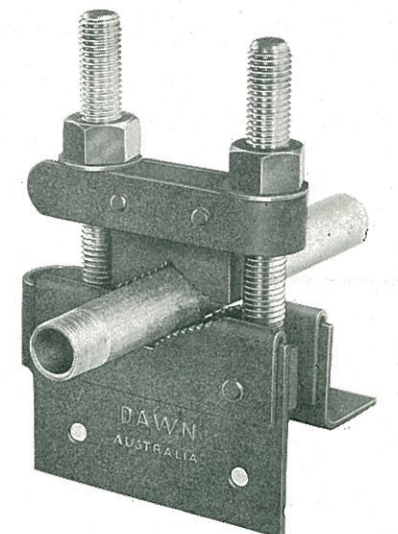
HINGE TYPE

Malleable iron castings, self-locking frame and hardened steel jaws. Made in three sizes.

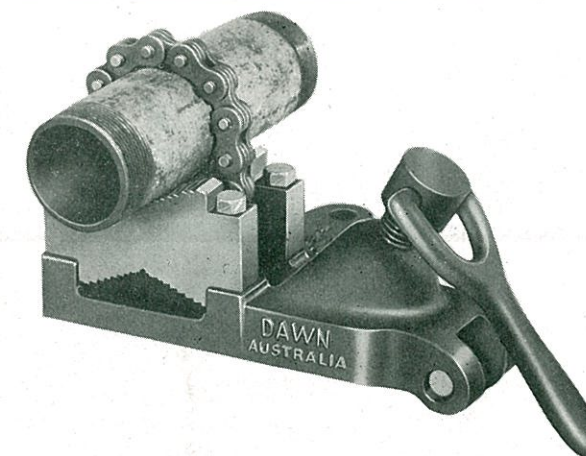


Size	Code	Takes pipe to In. dia.	Takes pipe to MM dia.	Weight Lbs.	Weight Kg.
H.2	9121	2	50.8	8 3/4	3.9
H.2 1/2	9129	2 1/2	63.5	11 1/4	5.1
H.4 1/2	9123	4 1/2	114.3	25 1/2	11.5

POST TYPE (Right)



CHAIN PIPE VICE (TOP SCREW) (Left)



No. 31 (Code 4031) 2" (50 mm) Capacity
Weight 8 Lbs. (3.6 Kg.)
No. 32 (Code 4032) 4" (100 mm) Capacity
Weight 14 1/2 Lbs. (6.5 Kg.)

No more barked knuckles. The Chain Vice with clamp handle above the bench for quicker, easier operation. Screw exerts maximum pressure on the pivoted lever, transferring tremendous pressure on the pipe by medium of the chain. The only pipe vice fitted with fully machined reversible and replaceable heat treated jaws.

Particularly suitable for inclusion in the plumber's tool kit, this design is made of pressed steel with hardened steel jaws — light, compact and strong. Made in two sizes.

Size	Code	Takes pipe to In. dia.	Takes pipe to MM dia.	Weight Lbs.	Weight Kg.
P.1	9091	1 1/2	38.1	4	1.8
P.2	9092	2	50.8	6	2.7

RELIABLE "Dawn" PRODUCTS

★ FOLDING VICE STAND

No. 54 (Code 4054)

No. 61 (Code 4061)

Stand complete with 2" (50 mm) 'Dawn' Chain Vice.

No. 62 (Code 4662)

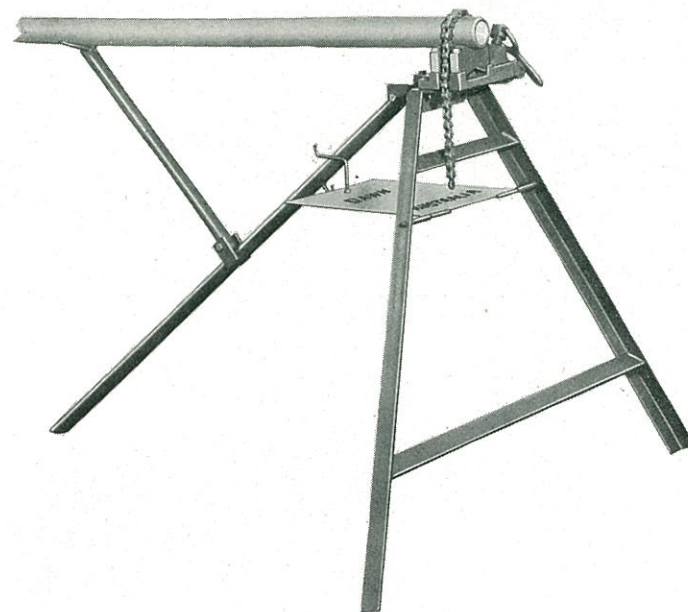
Stand complete with 4" (100 mm) 'Dawn' Chain Vice.

Weight (Stand only) 31 Lbs. (14 Kg.).

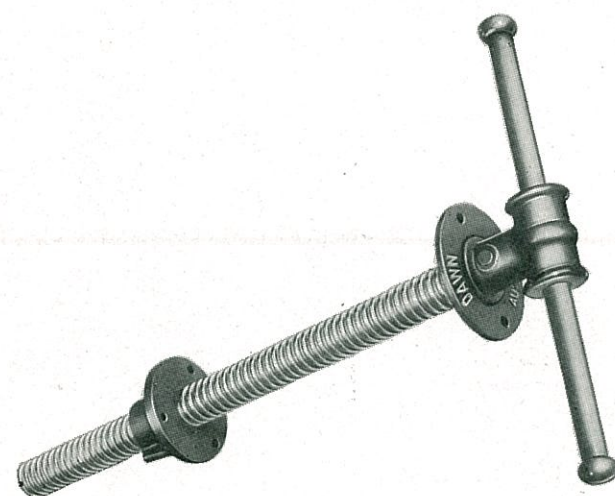
PORTABLE FOLDING VICE STAND

Saves operator's time and effort. Sets up, takes down easily . . . quickly. Extremely rigid and durable, yet weighs only 31 lbs. (14 Kg.). All one unit. No loose parts. Has large size vice base for easy mounting of 'Dawn' Chain Type or other vices.

FULLY GUARANTEED.



★ CARPENTERS BENCH SCREWS



The screw and handle are of best mild steel, with particularly sturdy fittings. Attention is drawn to the strong full circle thrust flange on the nut.

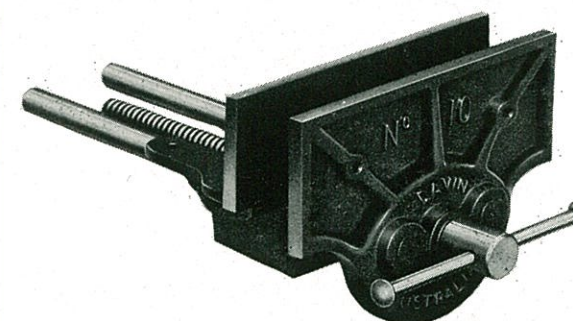
THE SIZE DENOTES WIDTH OF JAWS

Diameter of Screw		Code	Length from Collar Inches	Length from Collar mm.	Length of Thread Inches	Length of Thread mm.	Weight Lbs.	Weight Kg.
Inch	MM							
1	25.4	9150	18	457.2	18	457.2	7	3.2
1 1/8	28.6	9151	18	457.2	18	457.2	7 1/2	3.4

RELIABLE "Dawn" PRODUCTS

★ WOODWORKERS VICES

(PLAIN SCREW)



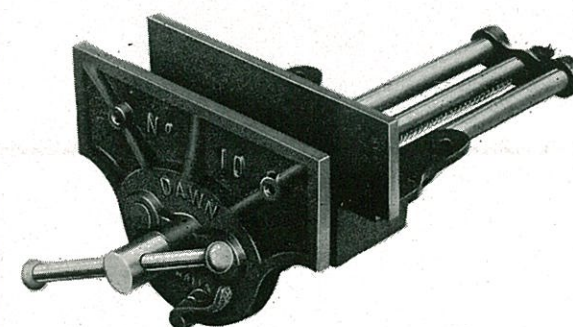
These vices are designed with generous jaw area and are the approved standard for woodworkers' use. The slide bars are of ample proportioned bright steel, running in accurately bored guide holes. Made in four sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size		Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
Inch	MM					
7 CMPS	177.8	9132	9	228.6	15 3/4	7.1
8 CMPS	203.2	9133	9	228.6	17	7.7
9 CMPS	228.6	9134	12	304.8	27	12.2
10 CMPS	254.0	9135	12	304.8	26 3/4	12.0

★ WOODWORKERS VICES

(QUICK ACTION)



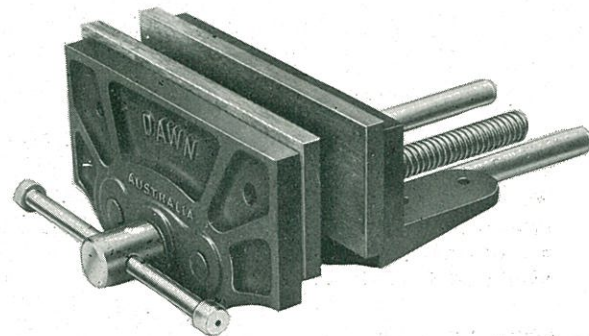
The quick action type of vice provides for speedy operation on work of varying dimensions. It is made in four sizes.

THE SIZE DENOTES WIDTH OF JAWS

Size		Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
Inch	MM					
7 CMQA	177.8	9136	9	228.6	19	8.6
8 CMQA	203.2	9137	9	228.6	19	8.6
9 CMQA	228.6	9138	12	304.8	23	10.4
10 CMQA	254.0	9139	12	304.8	30 1/4	13.6

RELIABLE "Dawn" PRODUCTS

★ HOME CARPENTER



VICE KIT

Code No. 9140

Features of this product are as follows:

6" (152 mm) Width of Jaw, 6" (152 mm) Opening, 2¼" (57 mm) Depth of Jaw, Weight, 6¼ lbs. (2.8 Kg.) — Nickel-plated Slide Bars and Screw — Spring-loaded

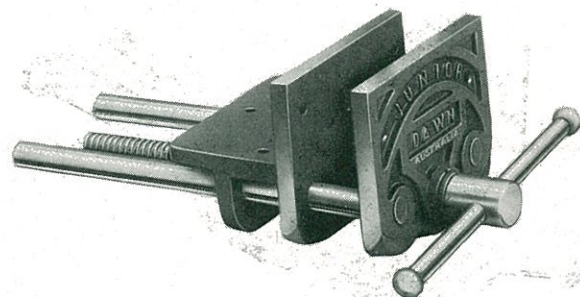
Screw — Four screw holes for mounting under Bench — Two Wooden Jaw Liners supplied — Eight Countersunk Screws supplied in plastic container — "Dawn" Red Gloss Finish — Individually boxed. All parts interchangeable. Vice carries usual "Dawn" guarantee.

★ JUNIOR WOODWORKERS

VICES

(PLAIN SCREW)

Code No. 9131



The "Dawn" Junior is very strongly designed, and is constructed with the same precision as the larger standard woodworkers' vices. The slide bars are of bright mild steel, running in accurately bored guide holes. Machine cut screw and replaceable nut. This vice is built to stand hard work and is admirably suited to the use of the home carpenter. It is also a very popular and useful Xmas or birthday present for the growing boy.

Width of Jaw 5 inches (127 MM) Maximum Opening 7 inches (177 MM)
Depth of Jaw 2½ inches (63 MM) Weight 9½ pounds (4.3 Kg)

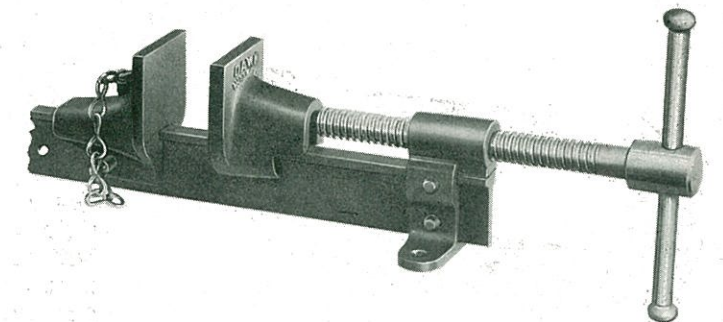
RELIABLE "Dawn" PRODUCTS

★ JOINER CRAMPS

(TEE BAR SECTION)

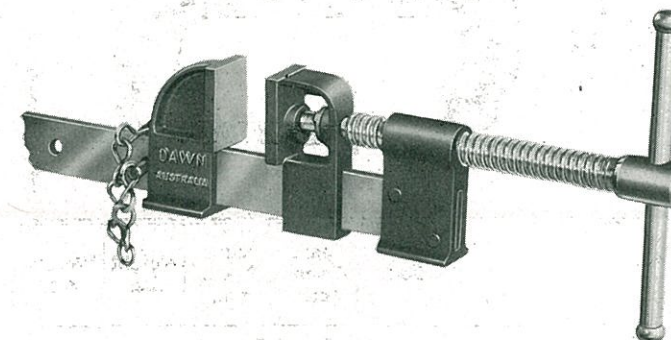
(Made in Two Patterns — Light and Heavy)

The T Section Bars are of steel especially rolled for the purpose. The malleable fittings have been given increased length, and attention is drawn to the extra heavy section around the T slot of the jaw castings, where the strain is greatest.



SIZE DENOTES OVERALL MEASUREMENT

Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
24 LT	609.6	9231	18	457.2	8	3.6	24 HT	609.6	9251	18	457.2	16	7.2
30 LT	762.0	9232	24	609.6	8¾	3.9	30 HT	762.0	9252	24	609.6	18	8.1
36 LT	914.4	9233	30	762.0	9½	4.3	36 HT	914.4	9253	30	762.0	19¼	8.7
42 LT	1066.8	9234	36	914.4	10¼	4.6	42 HT	1066.8	9254	36	914.4	21¼	9.6
48 LT	1219.2	9235	42	1066.8	11	5.0	48 HT	1219.2	9255	42	1066.8	23¼	10.5
54 LT	1371.6	9236	48	1219.2	11¾	5.3	54 HT	1371.6	9256	48	1219.2	25¼	11.4
60 LT	1524.0	9237	54	1371.6	12½	5.6	60 HT	1524.0	9257	54	1371.6	27¼	12.3
66 LT	1676.4	9238	60	1524.0	13¼	6.0	66 HT	1676.4	9258	60	1524.0	28½	12.8
72 LT	1828.8	9239	66	1676.4	14	6.3	72 HT	1828.8	9259	66	1676.4	30¼	13.6
78 LT	1981.2	9240	72	1828.8	14¾	6.6	78 HT	1981.2	9260	72	1828.8	32½	14.6
84 LT	2133.6	9241	78	1981.2	15½	7.0	84 HT	2133.6	9261	78	1981.2	34½	15.5
90 LT	2286.0	9242	84	2133.6	16¼	7.3	90 HT	2286.0	9262	84	2133.6	36¼	16.3
96 LT	2438.4	9243	90	2286.0	17	7.7	96 HT	2438.4	9263	90	2286.0	38½	17.3
102 LT	2590.8	9999	96	2438.4	17¾	8.0	102 HT	2590.8	9264	96	2438.4	40½	18.2
108 LT	2743.2	9999	102	2590.8	18½	8.3	108 HT	2743.2	9265	102	2590.8	42½	19.1



★ JOINER CRAMPS

(RECTANGULAR BAR SECTION)

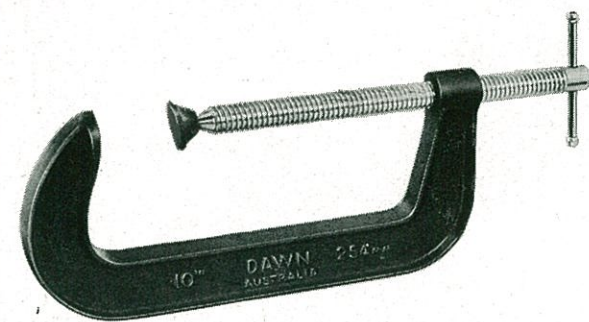
Made in Two Patterns—Light and Heavy

With bright steel bar (Light Pattern 1¼" x ¼" (31.5 mm x 6.1 mm) Section. Heavy Pattern 1½" x ⅝" (38.1 mm x 7.6 mm) Section); best malleable fittings; the nut and sliding box sections are of an extra length to provide easy action with increased strength and rigidity; mild steel machined screw and handle.

SIZE DENOTES OVERALL MEASUREMENT

Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
24 LS	609.6	9280	18	457.2	4¾	2.1	24 HS	609.6	9300	18	457.2	7½	3.4
30 LS	762.0	9281	24	609.6	5¼	2.4	30 HS	762.0	9301	24	609.6	8	3.6
36 LS	914.4	9282	30	762.0	5¾	2.6	36 HS	914.4	9302	30	762.0	8¾	3.9
42 LS	1066.8	9283	36	914.4	6¼	2.8	42 HS	1066.8	9303	36	914.4	9¾	4.4
48 LS	1219.2	9284	42	1066.8	6¾	3.0	48 HS	1219.2	9304	42	1066.8	10½	4.7
54 LS	1371.6	9285	48	1219.2	7¼	3.3	54 HS	1371.6	9305	48	1219.2	11	5.0
60 LS	1524.0	9286	54	1371.6	7¾	3.5	60 HS	1524.0	9306	54	1371.6	11½	5.2
66 LS	1676.4	9287	60	1524.0	8¼	3.7	66 HS	1676.4	9307	60	1524.0	12	5.4
72 LS	1828.8	9288	66	1676.4	8¾	3.9	72 HS	1828.8	9308	66	1676.4	12½	5.6

RELIABLE "Dawn" PRODUCTS



★ MALLEABLE "G" CLAMPS

Dawn "G" Clamps are of a deep throated heavy section design for strength and rigidity. Machine cut screw with swivel button. Attractively finished for display purposes in bright "Dawn" red. They are guaranteed unbreakable.

SIZE DENOTES OPENING

Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
Throat Depth							Throat Depth						
2½	65	9210	1¾	44.5	¾	.3	6	150	9214	2¾	69.9	3½	1.6
3	75	9211	1¾	44.5	1¼	.6	8	200	9215	3¾	85.7	4½	2.0
4	100	9212	2	50.8	1¼	.6	10	250	9216	3¾	98.4	6½	2.9
5	125	9213	2½	66.7	2½	1.1	12	300	9217	4¾	111.1	9	4.1

★ "HI-C" CLAMPS

Stronger than the traditional cast iron clamps yet economically priced compared with the guaranteed unbreakable malleable clamps. Machine cut screw with swivel button. Painted 'Hi-C' Blue.

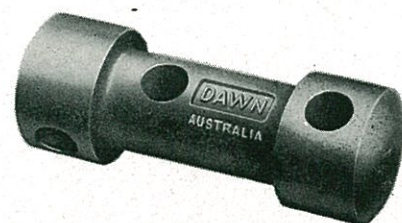


Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight lbs.	Weight Kg.
Throat Depth							Throat Depth						
3	75	9224	1¾	44	2¼	1.0	6	150	9226	2¾	70	4½	2.0
4	100	9225	2	51	3½	1.6	8	200	9227	3¾	86	6¼	2.8

★ WIRE STRAINER

(Code 9129) Weight: 1 lb. (0.45 Kg.)

A steel pin to suit is supplied with strainer.



RELIABLE "Dawn" PRODUCTS

★ QUICK ACTION CLAMPS

★ A very useful clamping medium used by Carpenters, Cabinetmakers, Engineers, Welders, Boilermakers, etc.

★ A Self-locking Tool with pressure adjustable, either Light or Heavy, by unbreakable Plastic Handle.

★ Instant adjustment to required capacity.

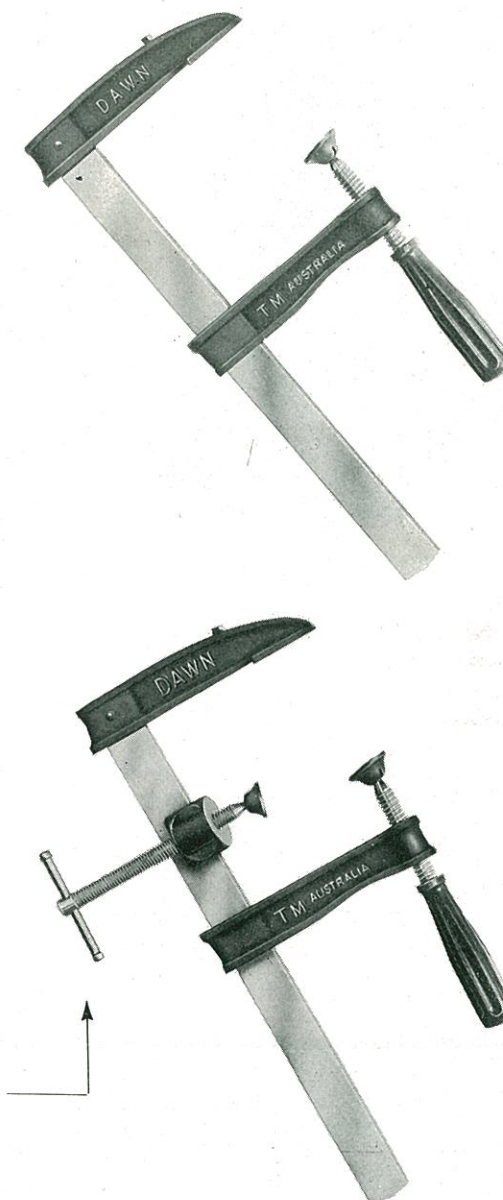
★ Size of Clamp indicates capacity.

6" (152 mm) — 8" (202 mm) is 1" (25 mm) x ¼" (6 mm) bright Steel Bar with bevelled and serrated edge. Sizes above 8" (202 mm) use 1¼" (32 mm) x ⅝" (8 mm).

★ Individually cartoned in attractive Boxes with illustrations of Clamp on front and usages on back. Labelled each end for shelf display. Dawn Red gloss finish.

E.M. ATTACHMENT (Extension Medium) illustrated, attached to Steel Bar of Clamp for use when pressure is required at right angle to Clamping pressure. Fits T.M. Clamps only.

(Code No. 9371) Weight 1 lb. (0.45 Kg.).



Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.	Size Inch	MM	Code	Max. Open. Inches	Max. Open. mm.	Weight Lbs.	Weight Kg.
6 TL	152.4	9361	6	152.4	1¾	.8	18 TM	457.2	9366	18	457.2	4½	2.0
8 TL	203.2	9362	8	203.2	2	.9	20 TM	508.0	9367	20	508.0	4¾	2.1
9 TM	228.6	9363	9	228.6	3½	1.6	24 TM	609.6	9368	24	609.6	5¼	2.4
10 TM	254.0	9360	10	254.0	3¾	1.7	30 TM	762.0	9369	30	762.0	6½	2.9
12 TM	304.8	9364	12	304.8	4	1.8	36 TM	914.4	9370	36	914.4	7½	3.4
15 TM	381.0	9365	15	381.0	4¼	1.9	48 TM	1219.2	9372	48	1219.2	8	3.6

RELIABLE "Dawn" PRODUCTS



LIFTING JACKS

★ BROAD BASE, LOW LIFT

Size	3 ton	6 ton
Minimum Height	10" (254 mm)	10" (254 mm)
Maximum Height	14" (355 mm)	12½" (318 mm)
Diameter of Screw	1¾" (43 mm)	2" (50 mm)
Diameter of Base	7" (177 mm)	8½" (216 mm)
Weight	20 lb. (9 Kg.)	26 lb. (11.7 Kg.)
Code No.	9325	9326

★ NARROW BASE, HIGH LIFT

Size	1 ton	3 ton	5 ton	10 ton
Minimum Height	8½" (216 mm)	14¾" (390 mm)	18" (457 mm)	24" (610 mm)
Maximum Height	12½" (317 mm)	24" (610 mm)	29" (736 mm)	36" (914 mm)
Diameter of Screw	1½" (38 mm)	1½" (41 mm)	1¾" (44 mm)	2" (51 mm)
Diameter of Base	4½" (114 mm)	7" (178 mm)	7" (178 mm)	7" (178 mm)
Weight	9 lb. (4.0 Kg.)	30 lb. (13.5 Kg.)	32 lb. (14.4 Kg.)	60 lb. (27 Kg.)
Code No.	9320	9321	9322	9323



★ NARROW BASE, LOW LIFT

Size	3 ton
Minimum Height	6¾" (164 mm)
Maximum Height	9" (228 mm)
Diameter of Screw	1½" (41 mm)
Diameter of Base	4½" (113 mm)
Weight	8 lb. (3.6 Kg.)
Code No.	9324



RELIABLE "Dawn" PRODUCTS

★ PIPE CUTTER



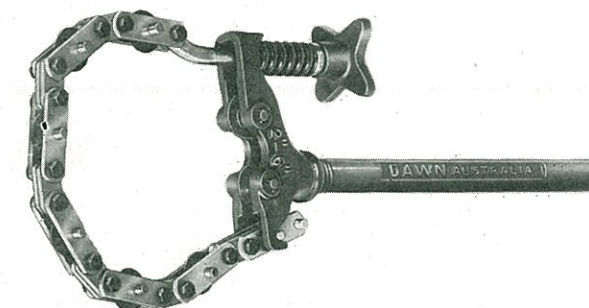
No. 28 (Code 4028) Weight 3½ lbs. (1.6 Kg.)
No. 28/6 Spare Wheels are readily available.

HEAVY DUTY PIPE CUTTER

A ½"-2" (13 mm-51 mm) capacity tool, designed and built to withstand continuous, grueling hard work.

Extra strong magnesium alloy construction and hardened steel thread insert make light work of heavy cutting.

★ LINK TYPE CAST IRON PIPE CUTTER



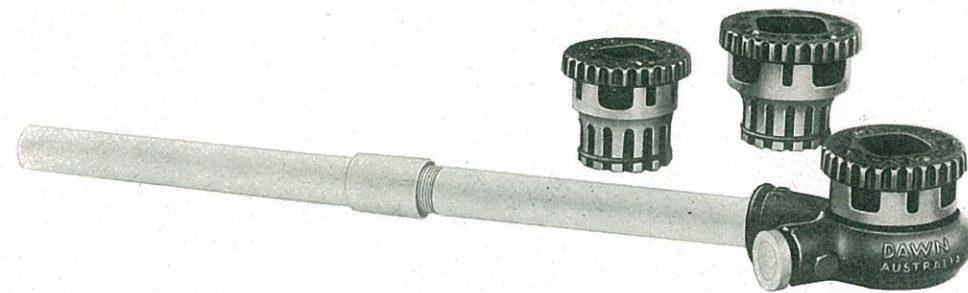
No. 51 (Code 4051) Weight 6½ lbs. (2.9 Kg.)
51/6 Spare Wheels available.

2"-6" (51 mm-152 mm) CAPACITY CAST IRON PIPE CUTTER

The lightest, fastest and most compact C.I. pipe cutter on the market. By adding links and wheel units, cutting capacity may be increased to handle pipes up to 12" (305 mm) diameter.

RELIABLE "Dawn" PRODUCTS

★ RATCHET SCREWING SETS



No. 26 (Code 4026) 1/2"-3/4" (13 mm-19 mm) BSP Weight 9 lbs. (4.0 Kg.)
 No. 27 (Code 4027) 1/2"-3/4"-1" (13 mm-19 mm-25 mm) BSP Weight 11 lbs (4.9 Kg.)

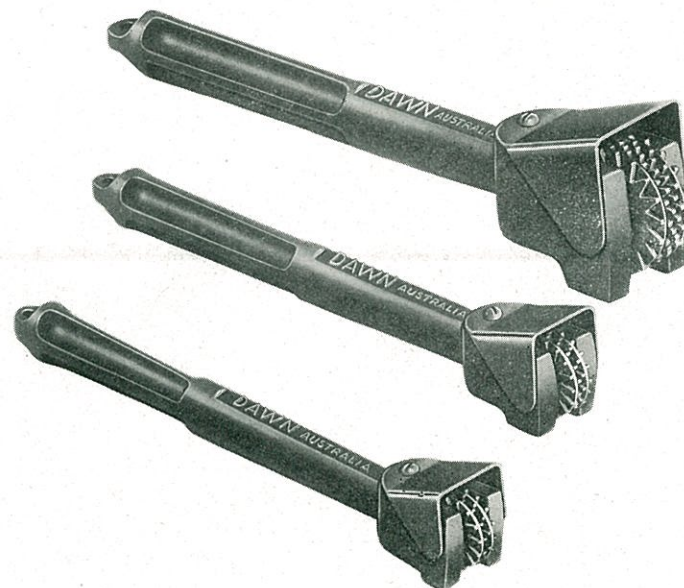
★ Acclaimed by plumbers throughout Australia as the most accurate, easiest-to-operate, lightweight and compact pipe threader available.

★ Ideal for close corners . . . will cut really smooth, clean threads quickly and accurately even with swinging space reduced to 30°.

★ Engineered chaser dies make for cleaner threads with half the effort.

★ EMERY DRESSER

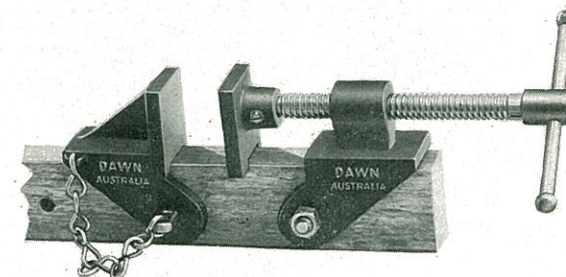
Size	Code No.	Weight lbs.	Weight Kg.
No. 0	9200	1 3/4	0.8
No. 1	9201	2 3/4	1.2
No. 2	9202	6	2.7



These patterns of Emery Wheels are recommended for general purpose wheel dressing, where it is essential to keep the wheel face open. Red gloss finish. Spare Wheels readily available.

RELIABLE "Dawn" PRODUCTS

★ CRAMP HEAD FITTINGS

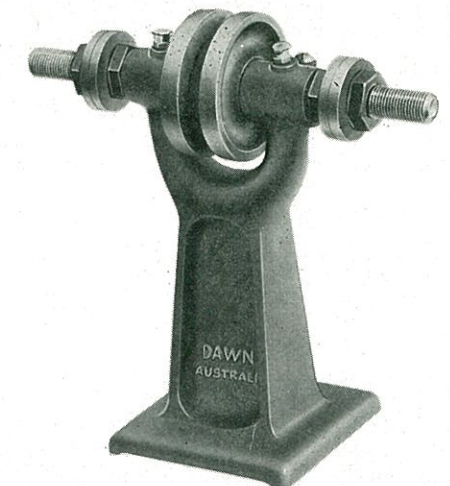


(Code No. 9205)

These fittings can be readily mounted by the user on a 2" x 1" (51 mm x 25 mm) or 3" x 1" (76 mm x 25 mm) hardwood batten of any length, thereby providing a cramp of whatever capacity is desired.

Size of Jaws: 1 3/4" (44 mm) x 1 5/8" (41 mm).
 Weight: 3 lbs. (1.4 Kg.)

★ POLISHING HEAD



No. 26 (Code No. 9173)

Double end grinding spindle. Two sets of flanges to take 3/4" (19 mm) thick grinding wheels.

Weight: 5 lbs. (2.3 Kg.)

★ DEEP THROATED CLAMP

(Code No. 9221)

(D.4)

Specially designed for Boat Building, Boiler-making, Truck Body Building, etc., where a Deep Throated Clamp is required.

★ Steel Casting of Heavy Section.

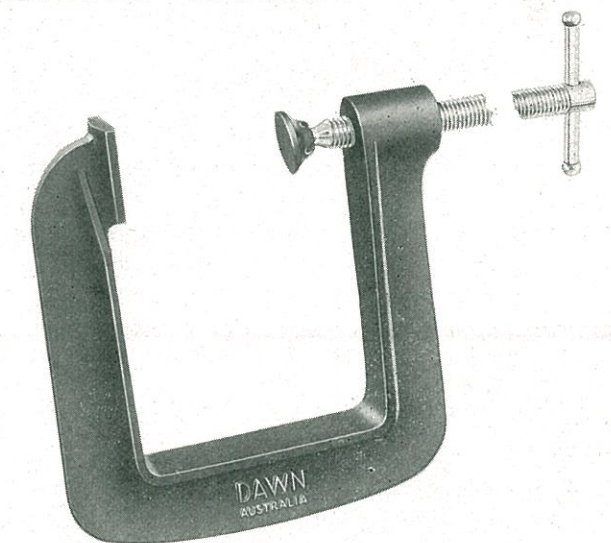
★ Machine Cut Screw with Swivel Button.

★ Size denotes Maximum opening in inches and millimetres.

★ Throat depth, 6 1/4" (158 mm).

★ Attractive "Dawn" Gloss Red Finish.

★ WEIGHT, 5 3/4 lbs. (2.6 Kg.).



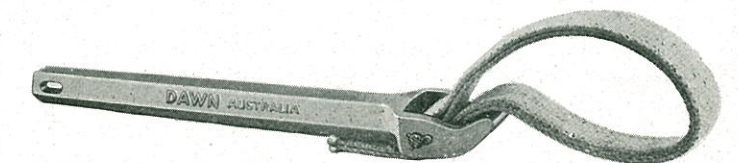
★ STRAP WRENCH

No. 50 (Code 4050)

Weight: 8 oz. (0.2 Kg.)

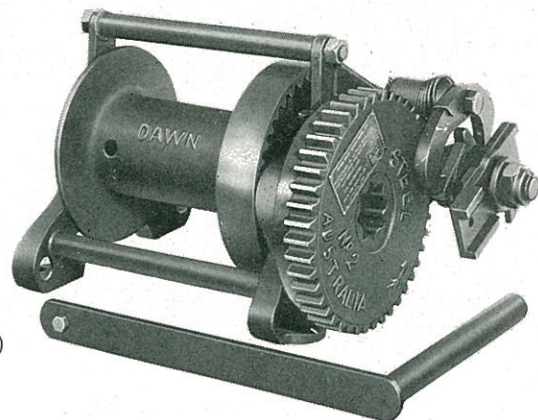
1/2"-2" (11 mm-51 mm) Capacity.

With Alloy Handle and Woven Strap to obviate marking chrome-plated fittings.

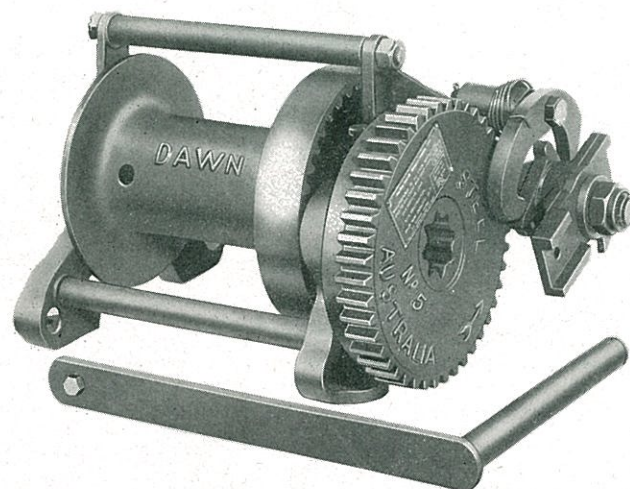


RELIABLE "Dawn" PRODUCTS

★ ALL STEEL HAND WINCHES



No. 2
(Code No. 9192)



No. 5
(Code No. 9193)

MANUFACTURED TO AND APPROVED BY LIFTS AND CRANES REGULATIONS AND TO S.A.A. CRANE AND HOIST CODE.

For Tow Trucks, Carriers, Builders. Structural and Industrial Engineers. Factories, Warehouses, Store Yards, etc.

FULLY APPROVED FOR MOUNTING ON VEHICLES

Constructed throughout of High Grade Electric Cast Steel (minimum 45 ton Tensile strength) designed without keys or set screws to shear or strip.

Generously proportioned anti-friction White Metal Bearings. (No. 2 Replaceable bronze bushes.)

No. 2 and No. 5 Winches are fitted with an Automatic Safety Load Brake which applies, whilst under load, immediately the operator releases the winding handle.

Construction of these Winches, if maximum amount of Cable is required, allows the operator to disengage the pinion, thereby giving free run out of Cable, obviating manual winding.

Another feature of these Winches is the simplicity of operation whether raising or lowering by just turning the handle in the direction required without manually releasing any locking mechanism.

The Brake is of a Weston Screw type so designed that at no stage or position can the Double Acting Pawl be disengaged; therefore the Pawl does not rely on a spring for engagement (this ensures maximum safety).

Brake Lining is of selected disc fibre giving maximum wear and efficiency. Water or oil will not impair Brake operation.

Full Technical Specifications overleaf on page 22.

RELIABLE "Dawn" PRODUCTS

★ ALL STEEL HAND WINCHES

No. 2 and No. 5 Winches are approved by Lifts and Cranes regulations and to S.A.A. Crane and Hoist code.

No. 2 WINCH

*Capacity—Safe Working Load	25 cwt. (1260 Kg.)
Material of Winch (Steel 45 tons tensile)	(45360 Kg.)
Diameter of Drum—Inches	4" (102 mm)
Length of Drum—Inches	8" (204 mm)
†Speed Ratio—High	4 to 1
—Low	22 to 1
Drum Capacity—Feet	120' (36.6 met.)
Rope Diameter—Inches	3/8" (10 mm)
Rope Construction	6/26 WF IWRC
Weight—Lbs.	76 lbs. (34.2 Kg.)
Approx. Dimensions excluding Handle—Inches	15" x 13" x 11" (381 mm x 330 mm x 279 mm)
Effort required on Handle to raise Full Load—Lbs.	37 lbs. (16.6 Kg.)

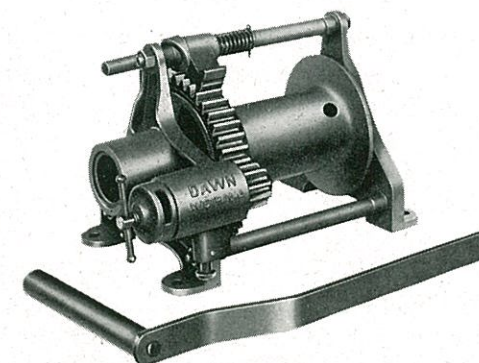
No. 5 WINCH

*Capacity—Safe Working Load	55 cwt. (2772 Kg.)
Material of Winch (Steel 45 tons tensile)	(45360 Kg.)
Diameter of Drum—Inches	5 1/2" (143 mm)
Length of Drum—Inches	10" (254 mm)
†Speed Ratio—High	4.3 to 1
—Low	24 to 1
Drum Capacity—Feet	250' (76.3 met.)
Rope Diameter—Inches	3/4" (14 mm)
Rope Construction	6/26 WF IWRC
Weight—Lbs.	134 lbs. (60.3 Kg.)
Approx. Dimensions excluding Handle—Inches	20" x 17" x 15" (508 mm x 432 mm x 381 mm)
Effort required on Handle to raise Full Load—Lbs.	39 lbs. (17.5 Kg.)

*Above capacities are governed by a single fall of rope, however, safe working load can be increased by different pulley block arrangements.

†For use of High Speed Ratio, additional Pinion and Extension Shaft is required.

The No. 1 Winch shown below is a smaller capacity version of the Nos. 2 and 5 and does not include the special safety brake incorporated in the heavy duty larger versions.

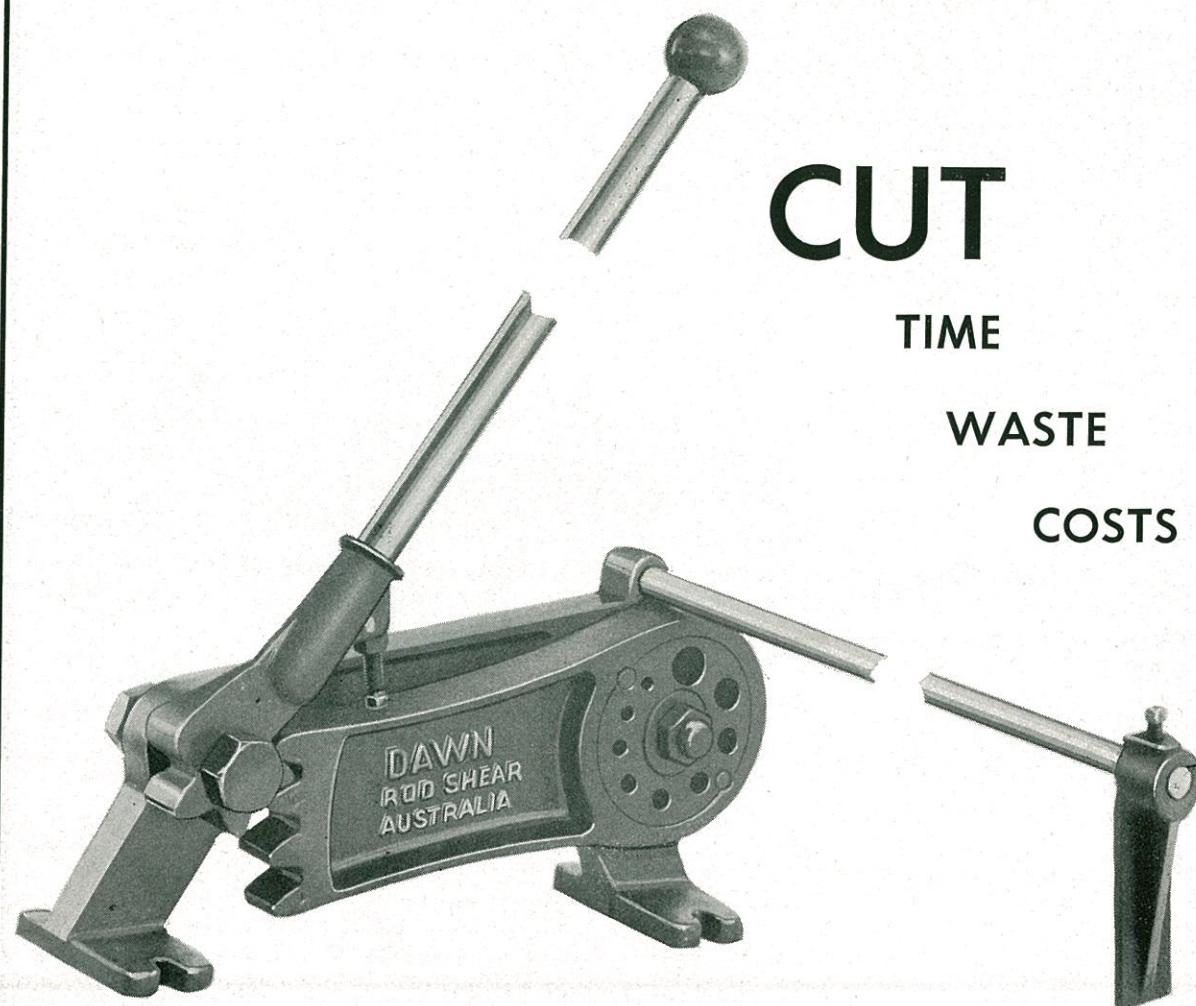


No. 1 WINCH (Code No. 9191)

*Capacity—Safe Working Load	10 cwt. (504 Kg.)
Material of Winch (Steel 45 tons tensile)	(45360 Kg.)
Diameter of Drum—Inches	3 1/2" (89 mm)
Length of Drum—Inches	4" (102 mm)
Length of Drum—Inches	6" (152 mm)
†Speed Ratio—High	Direct on to Drum Shaft
—Low	4.2 to 1
Drum Capacity—Feet	80' (24.4 met.)
Rope Diameter—Inches	5/16" (8 mm)
Rope Construction	6/26 WF IWRC
Weight—Lbs.	40 lbs. (18 Kg.)
Approx. Dimensions excluding Handle—Inches	12" x 9" x 9" (305 mm x 209 mm x 209 mm)
Effort required on Handle to raise Full Load—Lbs.	40 lbs. (18 Kg.)

RELIABLE "Dawn" PRODUCTS

DAWN-P.T. ROD CUTTER



CUT

TIME

WASTE

COSTS

FEATURES

- ★ Minimum deformation of bar.
- ★ No burr left on either cut portion.
- ★ High cutting speed.
- ★ Exceptional ease of operation.

SPECIFICATIONS

- ★ Maximum material capacity $\frac{5}{8}$ " (16mm) dia. steel bar.
- ★ Cutting head thickness 1" (25 mm).
- ★ Overall height (excluding handle) 7" (178 mm).
- ★ Overall length 13" (330 mm).
- ★ Overall width $3\frac{3}{4}$ " (95 mm).
- ★ Net weight 24 lbs. (10.8 Kg.).
- ★ Cutting head is provided with 9 holes ranging from $\frac{1}{16}$ " (1.9 mm) to $\frac{5}{8}$ " (16 mm).
- ★ Cutting head holes are reamed to .005" (0.127 mm) to .008" (0.203 mm) oversize to provide the best possible cut on all standard cold finish bars.

RELIABLE "Dawn" PRODUCTS

★ "DAWN" INDUSTRIAL FANS

A COMPREHENSIVE RANGE TO SUIT
EVERY PURPOSE IN INDUSTRY

VENTILATION FANS:

Axial-Flow Fans	2 sizes 15" (381 mm) and 18" (457 mm)
Enclosed Propellers	5 sizes 18" (457 mm) to 48" (1219 mm)
Open Propellers	5 sizes 18" (457 mm) to 48" (1219 mm)
Split-Hub Propellers	5 sizes 25" (635 mm) to 48" (1219 mm)
Multi-Vanes	13 sizes 6" (152 mm) to 36" (914 mm)
Diaphragm Types	5 sizes 14" (356 mm) to 24" (610 mm)

EXHAUST FANS:

Cast Iron Exhausters	6 sizes $2\frac{1}{2}$ " (63 mm) to 6" (152 mm)
Mill Exhausts	8 sizes 9" (229 mm) to 24" (610 mm)

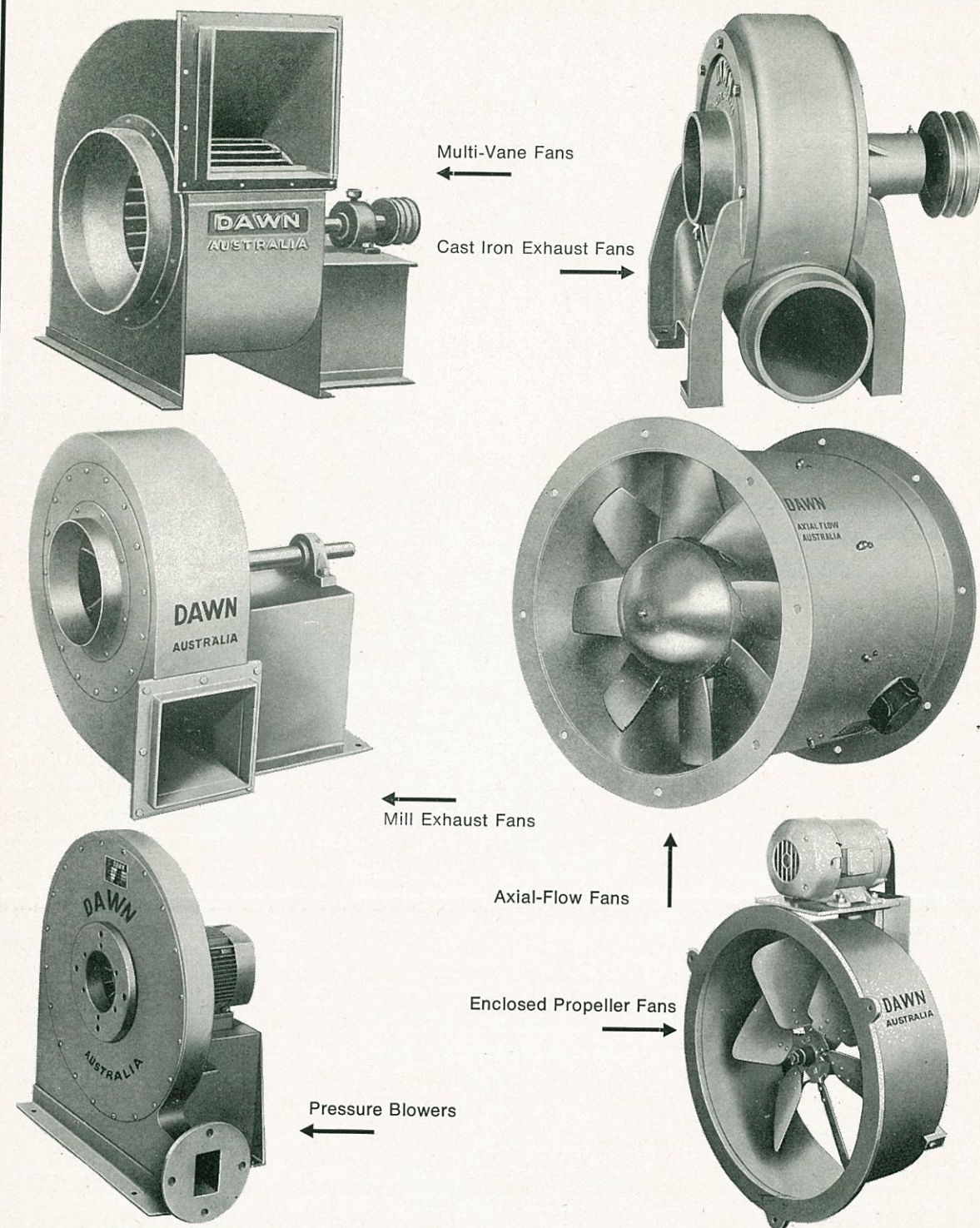
PRESSURE BLOWERS:

Cast Iron Pressure Blower	2 sizes 1F and 2F
Oil-Burner Blowers	7 sizes 3FS to 9FS
Cupola Blowers	7 sizes C1 to C7
High Pressure Blowers	unlimited range up to 5000 CFM at 5 PSI.

SPECIAL PURPOSE FAN:

We welcome the opportunity to quote for the manufacture of Fans for any industrial application which may not be satisfied by a standard Fan.

RELIABLE "Dawn" PRODUCTS



Illustrated are a few of the vast range of "DAWN" Fans. For further information regarding your particular requirements, contact: DOUGLAS R. BEER, 232 KING STREET, MELBOURNE, 67 6474, or your local "DAWN" Agent.



G. N. RAYMOND LIMITED, ENGINEERING DIVISION

1 NORRIS STREET, NORTH COBURG, VICTORIA, AUSTRALIA



Postal Address: P.O. Box 1, Coburg, Victoria, 3058 Telegrams & Cables: "DAWNVICS" Melbourne Phone: 35 1231 (Melbourne)

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Cables: "AFMALAAB" (Beirut)

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Phone: 84030

Cables: "LENSONITE" (Kuala Lumpur)

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Phone: 30732

Cables: "LEIGHILL" (Auckland)

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Casilla 4546 Lima

Phone: 22 4916

Cables: "DOWAT" (Lima)

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SOLEX TOOL CORPORATION

355 Barraca, Manila

Phone: 21 0109

Cables: "SOLEXTOOL" (Manila)

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J. E. TAN & CO. (PTE.) LTD.

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Cables: "JETAN" (Singapore)

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